

**Display.**

Patent Number: EP0597629  
Publication date: 1994-05-18  
Inventor(s): EZRA DAVID (GB); WOODGATE GRAHAM JOHN (GB)  
Applicant(s): SHARP KK (JP)  
Requested Patent:  EP0597629, B1  
Application Number: EP19930308821 19931104  
Priority Number(s): GB19920023652 19921111  
IPC Classification: H04N13/04; G02B27/22  
EC Classification: G02B27/22L, G09F19/12, G09F19/14, H04N13/00S4A7  
Equivalents: DE69323042D, DE69323042T,  GB2272555, JP3192298B2, JP7005455,  
 US5465175  
Cited patent(s): EP0389842; EP0262955; GB2252175

---

**Abstract**

---

An auto stereoscopic 3D display comprises a hybrid sandwich (11) comprising a first lenticular screen (12), a spatial light modulator (13), a diffuser (14), and second lenticular screen (16). A plurality of light sources (1 to 4) produce in turn divergent light beams which are modulated by the modulator (13) with two interlaced views. The hybrid sandwich (11) projects the views in different directions towards an observer (17). The different 2D views are thus visible from directions corresponding to the directions in which the views were captured during recording of a 3D image. Each eye of the observer (17) sees a single view across the whole

of the display. 

---

Data supplied from the esp@cenet database - I2